

Converting Colors

$Yxy(36.0948, 0.3588, 0.5414)$

Have a look what the booklet for
Yxy(36.0948, 0.3588, 0.5414)
contains.

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Color

Yxy(36.3035, 0.3588, 0.5418)

Conversions

Conversions Part 1

Format	Color
Hex	78B319
RGB	120, 179, 25
RGB Percent	47%, 70%, 10%
CMY	0.5294, 0.2980, 0.9019
CMYK	0.33, 0.00, 0.86, 0.30
HSL	83°, 75%, 40%
HSV	83°, 86%, 70%
XYZ	24.0415, 36.3035, 6.6603
YIQ	143.8030, 14.2700, -60.4020

Conversions

Conversions Part 2

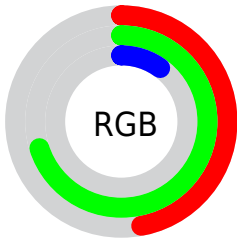
Format	Color
RYB	25, 179, 84
Decimal	7910169
CIELab	66.75, -40.47, 63.87
CIELCh	67, 75.616, 122.362
Yxy	36.3035, 0.3588, 0.5418
Android (android.graphics.Color)	4286100249 (0xFF78B319)
YUV	143.8030, -58.5699, -20.8752
Hunter-Lab	60.2524, -34.2178, 35.6227

Details

The Yxy color **36.3035, 0.3588, 0.5418** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **5.8366, 0.1987, 0.0955**, and the grayscale version is **28.0440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4519, 0.3570, 0.5003**, and **16.0117, 0.3399, 0.5683** is the 20% darker color. If you saturate the color by 10%, you get **35.7774, 0.3555, 0.5533**, and if you desaturate by 10%, it is **36.9168, 0.3598, 0.5253**.

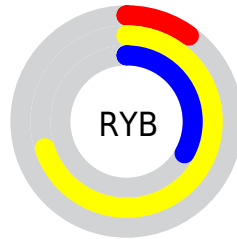
Distribution



Red (47%)

Green (70%)

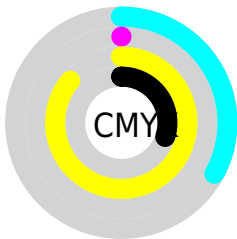
Blue (10%)



Red (10%)

Yellow (70%)

Blue (33%)

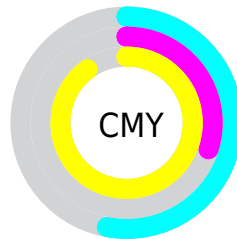


Cyan (33%)

Magenta (0%)

Yellow (86%)

Black (30%)



Cyan (53%)


Magenta (30%)


Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.3035, 0.3588, 0.5418 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 36.3035, 0.3588, 0.5418 by changing the saturation by 10% instead.

 36.3035, 0.3588,
0.5418


 36.3035, 0.3588,
0.5418


330.2851, 0.3447,
0.4289


 24.6687, 0.3574,
0.5693


 69.5003, 0.3569,
0.5006


 15.8304, 0.3522,
0.6027


 91.8310, 0.3551,
0.4850

 9.4042, 0.3455,
0.6545


 118.4958, 0.3532,
0.4719

 5.0058, 0.3111,
0.6889

 149.8791, 0.3514,
0.4607

 2.2506, 0.2560,
0.7440

 186.3653, 0.3495,
0.4510

 0.7474, 0.0000,
1.0000

 228.3388, 0.3478,

 0.0000, 0.0000,

0.4427

0.0000

276.1839, 0.3462,
0.4354

■ 36.3035, 0.3588,
0.5418

■ 36.3035, 0.3588,
0.5418

■ 35.7774, 0.3555,
0.5533

■ 36.9168, 0.3598,
0.5253

■ 35.5834, 0.3539,
0.5572

■ 37.6219, 0.3585,
0.5043

■ 38.4279, 0.3549,
0.4796

■ 39.3411, 0.3494,
0.4526

■ 40.3675, 0.3425,
0.4245

■ 41.5123, 0.3347,
0.3965

■ 42.7803, 0.3263,
0.3693

■ 44.1762, 0.3178,
0.3436

■ 45.7044, 0.3094,
0.3197

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.3035, 0.4540, 0.4904



36.3035, 0.3588, 0.5418



36.3035, 0.2577, 0.5060

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



36.3035, 0.3588, 0.5418



36.3035, 0.1352, 0.1941



36.3035, 0.4559, 0.2695

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



36.3035, 0.3588, 0.5418



5.8366, 0.1987, 0.0955

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



36.3035, 0.3390, 0.2128



36.3035, 0.3588, 0.5418



36.3035, 0.1661, 0.1703

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.3035, 0.3588, 0.5418



36.3035, 0.1373, 0.2612



36.3035, 0.2337, 0.1781



36.3035, 0.5267, 0.3380

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.3035, 0.3588, 0.5418



36.3035, 0.1999, 0.4268



36.3035, 0.2337, 0.1781



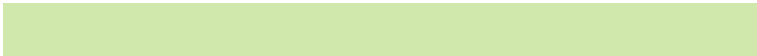
36.3035, 0.4190, 0.2488

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



36.3051, 0.3588, 0.5418



74.2545, 0.3350, 0.3976



15.6107, 0.5417, 0.3889



16.2910, 0.3378, 0.4072



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.3051, 0.3588, 0.5418



63.5931, 0.3529, 0.5580



32.8824, 0.3073, 0.5806



9.7408, 0.3206, 0.3519



25.1820, 0.3547, 0.5566



0.8246, 0.3730, 0.5420

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



5.8366, 0.1987, 0.0955



7.9487, 0.1804, 0.0768



11.2679, 0.2923, 0.1452



8.3836, 0.3043, 0.3059



3.2183, 0.1832, 0.0783



0.1354, 0.2170, 0.0969

Previews

White Background



This preview shows how the Yxy color 36.3035, 0.3588, 0.5418 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 36.3035, 0.3588, 0.5418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

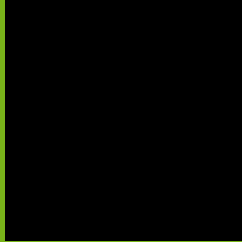
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.3035, 0.3588, 0.5418

Background



This preview shows how black text looks on a background with the Yxy color 36.3035, 0.3588, 0.5418.



This preview shows how white text looks on a background with the Yxy color 36.3035, 0.3588, 0.5418.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

36.3035, 0.3588, 0.5418

Protanopia

35.8363, 0.4367, 0.4840

Deuteranopia

35.6461, 0.4599, 0.4499



Tritanopia

36.3360, 0.2773, 0.3096

Trichromacy



Original Color

36.3035, 0.3588, 0.5418

Protanomaly

35.4341, 0.4065, 0.5064

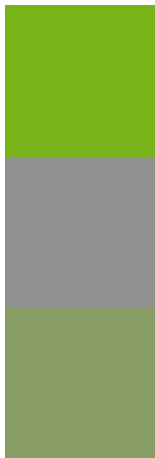
Deuteranomaly

34.8523, 0.4226, 0.4833

Tritanomaly

35.4064, 0.3153, 0.4050

Monochromacy



Original Color

36.3035, 0.3588, 0.5418

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

30.2044, 0.3414, 0.4227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3035, 0.3588, 0.5418 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(120, 179, 25)` looks like.

```
.text, #text, p{  
    color:rgb(120, 179, 25)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(120, 179, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 179, 25) }
```

Border

The CSS property to change the border of an element to Yxy 36.3035, 0.3588, 0.5418 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(120, 179, 25) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(120, 179, 25) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(120, 179, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 179, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 179, 25);  
box-shadow:4px 4px 4px 4px rgb(120, 179,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3035, 0.3588, 0.5418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 179, 25) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(120,  
179, 25) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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